BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements to Roads and Drain at Maruthinagar, Kothi Hosahalli in Ward No. 08, Kodigehalli Sub Division.**

							Estimate Cost:		2000000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earth work in surface excavation in **ordinary soil** for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1, **No. 5/ Item No. 2.1/ PWD SR 2013-14**	Cum							
	1st Main		1	60.00	6.10	0.40	146.40		
	Desilting of Drain		1	60.00	0.60	0.75	27.00		
							173.40	126.36	**21911.00**
	Basic Rate	117.00							
	Area Weightage @8%	9.36							
	Total	**126.36**							
2	KSRB 2-2.2 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, **Page No. 5 / Item No. 2.4 / PWD SR 2013-14**	Cum							
	AK Colony and maruthinagara RCC Drain		1	180.00	0.80	0.75	108.00		
	Culvert		2	6.00	2.20	1.20	31.68		
							139.68	227.88	**31830.00**
	Basic Rate	211.00							
	Area Weightage @ 8%	16.88							
	Total	**227.88**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete7.5 cms thick **Page No. 28 / Item No. 5.31.1/ PWD SR 2013-14**	Sqm							
	Road Side Vertical Slabs		2	73.00		0.45	65.70		
							65.70	343.44	**22564.00**
	Basic Rate	318.00							
	Area Weightage @ 8%	25.44							
	Total	**343.44**							
4	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **Page No. 12 /Item No. 4.3 PWD SR - 2013-14**	Cum							
	CC Road		1	60.00	6.00	0.15	54.00		
	AK Colony and maruthinagara RCC Drain		1	180.00	0.80	0.15	21.60		
	Culvert		2	6.00	2.00	0.15	3.60		
							79.20	4290.84	**339835.00**
	Basic Rate	3973.00							
	Area Weightage @ 8%	317.84							
	Total	**4290.84**							
8	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as **walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.17 / Item No. 4.31 PWD SR - 2013-14**	Sqm							
	For RCC Drain Side Walls		4	180.00		0.45	324.00		
	Culvert Side Wall		4x2	6.00		0.90	43.20		
			1	180.00	0.75		135.00		
	Culvert Covering Slabs		2	6.00	1.55		18.60		
			2x2	1.80		0.23	1.66		
			2x2	6.00		0.23	5.52		
							527.98	271.08	**143124.00**

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Basic Rate	251.00							
	Area Weightage @ 8%	20.08							
	Total	**271.08**							
9	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13 / Item No. 4.11 PWD SR - 2013-14**	Cum						
	RCC Drain Bottom		1	180.00	0.80	0.15	21.60		
	Culvert Bottom		1	6.00	2.00	0.15	1.80		
	Side Walls		2	180.00	0.15	0.45	24.30		
			2	6.00	0.23	0.90	2.48		
	Covering Slab		1	180.00	0.75	0.10	13.50		
	Culvert Covering Slab		2	6.00	1.80	0.23	4.97		
	Raising of Existing Drain		2	60.00	0.15	0.80	14.40		
							83.05	5639.76	**468393.00**
	Basic Rate	5222.00							
	Area Weightage @ 8%	417.76							
	Total	**5639.76**							
10	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19 / Item No. 4.46.2 PWD SR 2013-14 TMT bar Fe 500**	Qntl						

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Consider 70 Kg/Cum		0.75	83.05			62.29		
							62.29	7450.92	**464110.00**
	Basic Rate	6899.00							
	Area Weightage 8%	551.92							
	Total	**7450.92**							
11	KSRRB M2600-3: Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, **No. 251 / Item No. 31.3 PWD SR 2013-14**	M							
			6	6.00			36.00		
							36.00	137.16	**4938.00**
	Basic Rate	127.00							
	Area Weightage @ 8%	10.16							
	Total	**137.16**							
12	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 19 / Item No. 4.48.1/ PWD SR 2013-14**	Cum							
	For CC Road		1	60.00	6.00	0.10	36.00		
							36.00	6464.88	**232736.00**
	Basic Rate	5986.00							
	Area Weightage @ 8%	478.88							
	Total	**6464.88**							
13	**Vaccum De-watering** with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. **190 / Item No. 22.7/ PWD SR 2013-14**	Sqm							
	For CC Road		1	60.00	6.00		360.00		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
							840.00	91.80	**77112.00**
	Basic Rate	85.00					360		33048.00
	Area Weightage @ 8%	6.80							
	Total	**91.80**							
14	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				**307.60**	72.71	**22364.00**
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2X1.28X15.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
15	**Sub Total**								**1785608.00**
									1784853.00
16	KRIDL Service Charges and Applicable Taxes @ 11%								**196417.00**
									196334
17	For Third Party QC Charges @ 1%								**17856.00**
									17848
18	Miscellaneous and other Charges	L/S							965 + **119.00**
								Total	**2000000.00**
	(Rs. Twenty Lakhs Only)								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Sanction for Rs. 20.00 Lakh
Twenty lakhs only
22.75-1.
EE/BTP/TS/286/13-14, 3/3/14
Registered as EE No:
to conditions contained enclosed memo.
No:
AEE

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore
ADMINISTRATIVE SANCTIONED FOR Rs
Rupees Twenty Lakh's
Under H/O ₹ 1878 22.757.
Registered as EE ( ) No.
Subject to conditions
enclosed memo EE ( ) No.
Dt
Addl Commr(yel) / AS-886 / 13-14
dated 22/2/2014 Rs. 20.00 Lakh's

Addl Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92